



IFW

PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/786,391
		Filing Date	February 25, 2004
		First Named Inventor	Keith H. Lawson
		Art Unit	1764
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	1856-38600 (9873.0-02)

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <i>Form PTO-1449 (3 p.); Eighteen (18) Cited References; and acknowledgment postcard</i>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual Name	Tod T. Tumey 47,146
Signature	
Date	January 19, 2005

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or Printed Name		Sandra K. Begley	
Signature		Date	January 19, 2005

137388.01/1856.38600

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and selection option 2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Keith H. Lawson et al.	§	GROUP ART UNIT:
		§	1764
SERIAL NO.:	10/786,391	§	
		§	EXAMINER:
FILED:	February 25, 2004	§	
		§	
FOR:	Olefin Production from Steam Cracking	§	
	Using Process Water as Steam	§	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Atty. Dkt. No.: 1856-38600 (9873.0-02)
Date: January 19, 2005

Sir:

This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware. If this application was filed prior to June 30, 2003, a copy of each publication listed on Form PTO-1449 is enclosed herewith.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Respectfully submitted,

Tod T. Tumey
Reg. No. 47,146
CONLEY ROSE, P.C.
P. O. Box 3267
Houston, Texas 77253-3267
(713) 238-8000
ATTORNEY/AGENT FOR APPLICANT

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Atty. Docket No. 1856-38600 9873.0-02		Serial No. 10/786,391	
					Applicant Keith H. Lawson			
					Filing Date February 25, 2004		Group 1764	

OFFICE
JAN 24 2005

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	AA	3,114,698	<i>Viles</i>				
	AB	4,780,196	<i>Alagy et al.</i>	208	130		
	AB	4,844,837	<i>Heck et al.</i>	252	373		
	AD	4,927,857	<i>McShea, III et al.</i>	518	703		
	AE	5,023,276	<i>Yarrington et al.</i>	514	703		
	AF	5,139,650	<i>Lenglet</i>	208	132		
	AG	5,149,464	<i>Green et al.</i>	252	373		
	AH	5,500,149	<i>Green et al.</i>	252	373		
	AI	5,654,491	<i>Goetsch et al.</i>	568	469	02/09/1996	
	AJ	6,033,555	<i>Chen et al.</i>	208	52	06/10/1997	
	AK	6,118,035	<i>Fung et al.</i>	585	653	05/05/1998	
	AE	6,254,807	<i>Schmidt et al.</i>	252	373	01/12/1998	
	AM	6,333,294	<i>Chao et al.</i>	502	325	05/19/1999	
	AN	6,365,544	<i>Herron et al.</i>	502	326	05/19/1999	
	AO	6,402,989	<i>Gaffney</i>	252	373	06/27/00	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation YES NO	
	AP	0303438 A2	Europe	C01B			
	AQ	WO 98/56873 A1	PCT	C10G, C07C			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	No, B. I, et al., "Operational Efficiency of a Reactor Unit for High Temperature Gasoline Pyrolysis", Neftepererabotka I Neftekhimiya, Moscow, Russian Federation 2001, no. 8, pp. 29-31.	
AS	Bharadway, S.S., et al, "Catalytic Partial Oxidation of Natural Gas to Syngas", Fuel Processing Technology, July 12, 1994, pp. 109-127.	
AT	Zinger, Steve, "Where is the Most Value for Ethylene and Olefin By-Products?" Chemical Market Associates, pp. 486-501.	
AU	Towfighi, Jafar, et al., "Steam Cracking of Naptha in Packed Bed Reactors" American Chemical Society, February 16, 2002 pp. 1419-1423.	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Atty. Docket No. 1856-38600 9873.0-02		Serial No. 10/786,391	
						Applicant Keith H. Lawson			
						Filing Date February 25, 2004		Group 1764	
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE		
	AV	6,407,301	06/18/2002	<i>Foley et al.</i>	585	650	10/30/2000		
	AW	6,409,940	06/25/2002	<i>Gaffney et al.</i>	252	373	10/13/2000		
	AX	6,461,539	10/08/2002	<i>Gaffney</i>	252	373	10/16/2000		
	AY	6,462,097	10/08/2002	<i>Martino et al.</i>	518	700	04/02/2001		
	AZ	6,488,907	12/03/2002	<i>Barnes et al.</i>	423	418	07/27/2000		
	BA	6,630,078	10/07/2003	<i>Kourtakis et al.</i>	252	373	02/16/2001		
	BB	6,635,191	10/21/2003	<i>Figueroa et al.</i>	252	373	06/13/2001		
	BC	6,533,945	03/18/2003	<i>Shah</i>	210	765	03/21/2001		
	BD	2002/0037937	03/28/2002	<i>Raje et al.</i>	518	715	07/03/2001		
	BE	2002/0173555	11/21/2002	<i>Ionkina et al.</i>	518	715	01/14/2002		
	BF	2002/0177629	11/28/2002	<i>O'Beck et al.</i>	518	703	06/19/2002		
	BG	2003/0065043	04/03/2003	<i>Ionkina et al.</i>	518	714	04/03/2003		
	BH	2003/0119922	06/26/2003	<i>Chao et al.</i>	518	715	12/03/2002		
	BI	2003/0125396	07/03/2003	<i>Espinoza et al.</i>	518	726	12/28/2001		
	BJ	2003/0134913	07/17/2003	<i>Zhang et al.</i>	518	726	12/10/2002		
	BK	2003/0149121	08/07/2003	<i>Zhang et al.</i>	518	728	12/16/2002		
	BL	2002/0115730	08/22/2002	<i>Allison et al.</i>	518	703	09/05/2001		
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation YES NO		
	BM	WO 02/10313 A2	02/07/2002	PCT	C10G				
	BN	WO 03/040262 A2	05/15/2003	PCT	C10G				
	BO	WO 02/20395 A2	03/14/2002	PCT	C01B				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	BP	Wakatsuki, T., et al., "Development of a High Efficiency GTL Process Based on CO ₂ /Steam Reforming of Natural Gas and Slurry Phase FT Synthesis", Elsevier Science B.V., 2001.							
	BQ	Van Rensberg, Dr. S.T. J., "The Moss gas, Gas to Fuels Process", ChemSA, February 1990, pp. 41-42.							
	BR	Nowak, S. et al., "Cracking Dehydrogenation of Fischer-Tropsch Products in a Small-Scale Moving (Catalyst) Bed Cracking Tower", Akademie Verlag Berlin, 1960, pp. 3-37.							
	BS	Dancuart, Luis P., et al., "Performance of the Sasol SPD Naphtha as Steam Cracking Feedstock", ACS 2002 National Meeting pp. 1-11.							
EXAMINER				DATE CONSIDERED					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.									

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/786,391
				Filing Date	February 25, 2004
				First Named Inventor	Keith H. Lawson
				Group Art Unit	1764
				Examiner Name	Not Known
Sheet	3	of	3	Attorney Docket Number	1856-38600 9873.0-02

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
	BT	Nexant, Inc./Chem Systems, " <i>Fischer-Tropsch Liquids as Steam Cracker Feedstocks</i> ", Nexant Inc./Chem Systems, December 2002, pp. 1-58.	
	BU	Choudhary, V.R. et al., " <i>Large Enhancement in Methane-to-Syngas Conversion Activity of Supported Ni Catalysts Due to Precoating of Catalyst Supports with MgO, CaO or Rare-Earth Oxide</i> ", January 4, 1995, pp. 387-390.	
	BV	Hu, Yun Hang, " <i>Binary MgO-Based Solid Solution Catalysts for Methane Conversion to Syngas</i> ", State University of New York, Dept. of Chemical Engineering, 2002, pp. 423-453.	
	BW	Dry, M.E., " <i>The Fischer-Tropsch Synthesis</i> ", Catalysis—Science and Technology, 1981, pp. 159-202.	
	BX	Phillips, T.D. et al., " <i>Water Reuse and Re-Cycling at Sasol</i> ", Water & Environmental Technology, Sasol Technology R&D.	
	BY	Mittal, K.G., et al., " <i>Higher Olefins and Alcohols as Raw Materials for Synthetic Detergents</i> ", Indian Standards Institute Bulletin, 1971, vol. 23, no. 9 pp. 404-408.	

Examiner Signature		Dated Considered	
---------------------------	--	-------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.